

ABSTRACT OF THE DISCLOSURE

A robot apparatus capable of offering significantly improved safety and a control method thereof. In a movable robot apparatus and its control method, a safety level status is detected and the safety level of the detected safety level status is detected as well. Then a control process is performed so as to make the robot apparatus take prescribed countermeasures according to the detected safety level status and the safety level of the safety level status. In addition, in a movable robot apparatus and its control method, a safety level status detecting means for detecting a safety level status and a control means for performing a control process so as to implement prescribed countermeasures depending on the position of the safety level status detected by the safety level status detecting means are provided. Further, in a robot apparatus and its control method, a safety level involving an object and movable parts is detected when the object is detected, and the movable parts are moved so as to mitigate or avoid the danger based on the detected safety level and a determined action.